

IN THE CLAIMS

Please amend claims 4, 5, 7, 12 and 23; and add claims 24 and 25, as follows:

1 4. (Amended) The electrophotographic developing type reproduction apparatus of in claim
2 1, further comprised of said chopping means comprising an AND gate having a first input port
3 coupled to receive said converted data and a second input port coupled to [received] receive said
4 second clock signal.

Sub E1
1 5. (Amended) The electrophotographic developing type reproduction apparatus of claim
2 1, further comprised of mode selecting means enabling a user to [externally] change a
3 characteristic of said second clock signal.

1 7. (Amended) The electrophotographic developing type reproduction apparatus of claim
2 1, comprised of:
3 first means for generating a local clock signal; and
4 second means for generating said second clock signal by dividing said local clock
5 signal in [dependence upon] response to a dividing ratio component [of] accompanying said input
6 data.

Sub C, 2
2. (Amended) A method for controlling a light signal in an electrophotographic developing type reproduction apparatus, said method comprising the steps of:

3 generating converted data by converting input data to be printed into video data, in
4 accordance with a first clock signal, and for transmitting the converted video data in response to
5 a horizontal synchronization signal exhibiting a predetermined time interval;

6 generating chopped data by dividing the converted data in dependence upon a
7 second clock signal;

8 supplying beam data for controlling generation of said light signal by a light source
9 element in response to said chopped data; and

10 generating said horizontal synchronization signal in dependence upon a beam
11 detection signal obtained [from] by detecting said light signal.

Sub C, 3
3. (Amended) The apparatus of claim 18, comprised of said clock signal generating
4 means comprising:

5 means for generating a local clock signal exhibiting a first plurality of pulses
6 characterized by a local frequency;

7 first means for generating said first clock signal by dividing pulses of said local
8 clock signal to provide a second plurality of pulses characterized by a second frequency; and

9 second means for generating said second clock signal by dividing said pulses of
10 [said] said local clock signal in dependence upon said dividing ratio data, to provide a third
plurality of pulses characterized by a third frequency established in dependence upon said dividing
ratio data.

Sub C, 4
4. An apparatus for printing video data, comprising:

data bus means for providing input video data and for providing dividing ratio data; clock signal generating means for generating a first clock signal and for generating a second clock signal, said second clock signal exhibiting a characteristic depending upon said dividing ratio data, said clock signal generating means comprising:

means for generating a local clock signal exhibiting a first plurality of pulses characterized by a local frequency;

first means for generating said first clock signal by dividing pulses of said local clock signal to provide a second plurality of pulses characterized by a second frequency; and

second means for generating said second clock signal by dividing said pulses of said local clock signal in dependence upon said dividing ratio data, to provide a third plurality of pulses characterized by a third frequency established in dependence upon said dividing ratio data;

data transmitting means for converting said input video data into serial video data
said first clock signal, and for transmitting said serial video data in response to a
synchronization signal;

19 logic means for providing chopped video data in dependence upon said serial video
20 data and said second clock signal;

21 printing control means for generating beam data in response to said chopped video
22 data; and

beam scanning means for providing a laser beam for defining images corresponding

24 to said beam data and for generating a beam detection signal derived from scanning of said laser
25 beam;

26 said printing control means generating said horizontal synchronizing signal in
27 dependence upon said beam detection signal.

1 28. A method for controlling a light signal in an electrophotographic developing type
2 reproduction apparatus, said method comprising the steps of:

3 generating converted data by converting input data to be printed into video data, in
4 accordance with a first clock signal, and for transmitting the converted video data in response to
5 a horizontal synchronization signal exhibiting a predetermined time interval;

6 generating chopped data by dividing the converted data in dependence upon a
7 second clock signal, the second clock signal having a frequency higher than the first clock signal
8 wherein the second clock signal being an integer multiple of a frequency of the first clock signal,
9 the chopped data being generated by applying the converted data to a first input port of an AND
10 gate data and applying the second clock signal to a second input port of the AND gate, said
11 chopped data being output from an output port of said AND gate;

12 changing a characteristic of the second clock signal in response to a selection made
13 by a user of the reproduction apparatus;

14 supplying beam data for controlling generation of said light signal by a light source
15 element in response to said chopped data; and

16 generating said horizontal synchronization signal in dependence upon a beam
17 detection signal obtained from said light signal.